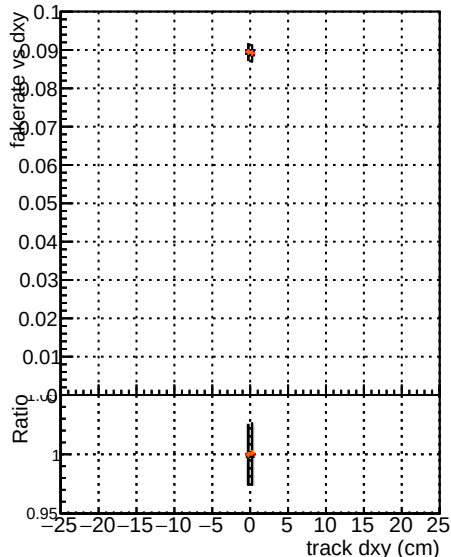
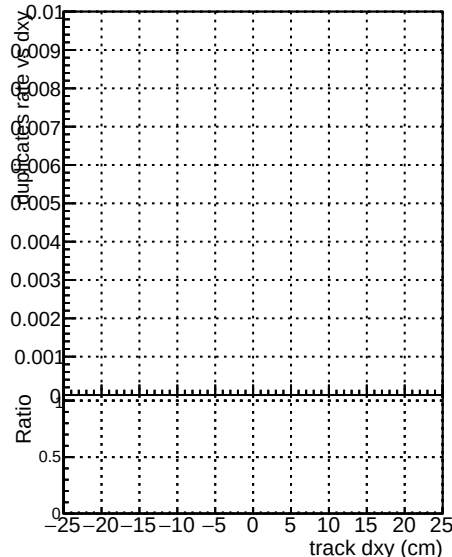


### Fake rate vs dxy



### Duplicates Rate vs Dxy



### Pileup rate vs dxy

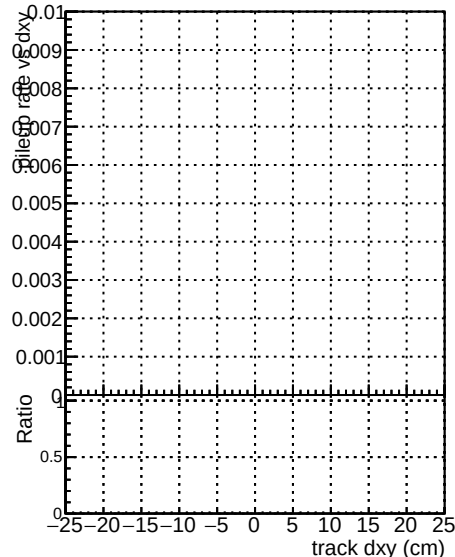
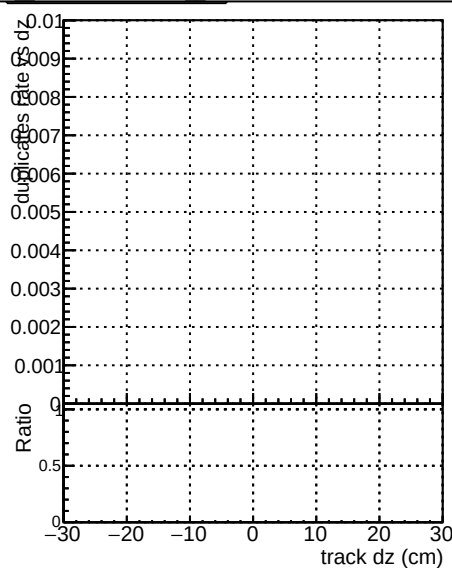
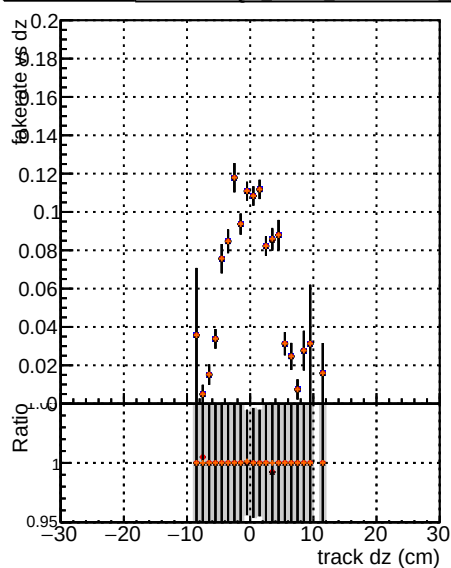


Figure 10: Fake rate vs d. The plot shows the fake rate for four different models/datasets: Global, mkFitOriginal, mkFitNewData33, and mkFitNewDataNOF. The y-axis represents the fake rate, and the x-axis represents the parameter d. The Global model shows a slightly higher fake rate compared to the others, while mkFitNewDataNOF shows the lowest. The fake rates are generally stable across different values of d.



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